

Amendments to the Claims

1. (CURRENTLY AMENDED) An electronic memory component (~~100 or 100'~~), comprising at least one memory cell matrix (~~10~~), which is embedded in and/or let into at least one doped receiving substrate (~~20~~), characterized in that

- the receiving substrate (~~20~~) is covered and/or surrounded at least partially and/or on at least one of its surfaces remote from the memory cell matrix (~~10~~) by at least one top/protective substrate (~~30~~) oppositely doped to the receiving substrate (~~20~~) and

- at least one of the substrates (~~20 or 30~~), for example the receiving substrate (~~20~~) and/or in particular the top/protective substrate (~~30~~), is in contact (~~12a or 12b~~) or connection (~~32~~) with at least one circuit arrangement (~~24 or 34 respectively~~) for the detection of voltages or currents caused by charge carriers generated upon light incidence.

2. (CURRENTLY AMENDED) A memory component as claimed in claim 1, characterized in that the circuit arrangement (~~24 or 34~~) takes the form of at least one comparator circuit.

3. (CURRENTLY AMENDED) A memory component as claimed in claim 1 or 2, characterized in that, if a given limit voltage or a given limit current is exceeded in the circuit arrangement (~~24 or 34~~),

—access to the memory component (~~100 or 100'~~) may be denied and/or

—at least one alarm signal may be emitted to at least one controlling

C[entral] P[rocessing] U[nit].

4. (CURRENTLY AMENDED) A memory component as claimed in ~~at least one of claims 1 to 3~~ claim 1, characterized in that the top/protective substrate (~~30~~) surrounds the receiving substrate (~~20~~) in the manner of a well.

5. (CURRENTLY AMENDED) A memory component as claimed in ~~at least one of claims 1 to 4~~ claim 1, characterized in that the top/protective substrate (~~30~~) is associated with at least one carrier substrate (~~40~~).

6. (CURRENTLY AMENDED) A memory component as claimed in claim 5, characterized in that the top/protective substrate (30) is buried in the carrier substrate (40).

7. (CURRENTLY AMENDED) A memory component as claimed in at least one of claims 1 to 6 claim 1, characterized in that

- the receiving substrate (20) is p-doped,
- the top/protective substrate (30) is n-doped and/or
- the carrier substrate (40) is p-doped.

8. (CURRENTLY AMENDED) A memory component as claimed in at least one of claims 1 to 7 claim 1, characterized in that there is associated with the memory cell matrix (10)

- at least one source (12a, 12b) in particular taking the form of a contact,
- at least one bitline (14),
- at least one wordline (16) and
- at least one control gate (18).

9. (CURRENTLY AMENDED) A memory component as claimed in at least one of claims 1 to 8 claim 1, characterized in that the memory component (100 or 100') takes the form of an E[rasable] P[rogrammable] R[ead] O[nly] M[emory], an E[lectrical] E[rasable] P[rogrammable] R[ead] O[nly] M[emory] or a Flash memory.

10. (CURRENTLY AMENDED) Use of an electronic memory component (100 or 100') as claimed in at least one of claims 1 to 9 claim 1 for in particular continuous detection and/or for in particular permanent sensing of the incidence of light, in particular in the form of at least one light attack, for example on at least one smart card.